

# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## NOVEL ELASTOMER COMPOSITES, METHOD AND APPARATUS

the specification of which is attached hereto unless the following space is checked:

X was filed on March 25, 1997 as United States Application Serial Number 08/823,411 and was amended on June 8, 1998, January 28, 1999 and August 16, 1999.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

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I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

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| 1. |               |                |                             | <input type="checkbox"/>    |
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|    | <u>Application Number</u> | <u>Filing Date</u> | <u>Status — patented, pending, abandoned</u> |
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| 1. | 08/625,163                | April 1, 1996      | Abandoned                                    |
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as my Attorneys.

Address all telephone calls to Peter D. McDermott at (617) 227-7111.

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Full name of first joint inventor, if any (given name, family name):

**Melinda Ann Mabry**

Inventor's signature: Melinda Ann Mabry Date: 12/26/99  
Residence: 2001 Chestnut Hill, Cleveland Heights, Ohio 44106, U.S.A.  
Citizenship: USA  
Post Office Address: 2001 Chestnut Hill, Cleveland Heights, Ohio 44106, U.S.A.

Full name of second joint inventor, if any (given name, family name):

**Frederick Harry Rumpf**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Five Copley Place, Billerica, Massachusetts 01821, U.S.A.  
Citizenship: USA  
Post Office Address: Five Copley Place, Billerica, Massachusetts 01821, U.S.A.

Full name of third joint inventor, if any (given name, family name):

**Ivan Zlatko Podobnik**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 104 Townsend Road, Mason, New Hampshire 03048, U.S.A.  
Citizenship: Canada  
Post Office Address: 104 Townsend Road, Mason, New Hampshire 03048, U.S.A.

Full name of fourth joint inventor, if any (given name, family name):

**Scott Adrian Westveer**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 15111 Harkey, Pearland, Texas 77584, U.S.A.  
Citizenship: U.S.A.  
Post Office Address: 15111 Harkey, Pearland, Texas 77584, U.S.A.

Full name of fifth joint inventor, if any (given name, family name):

**Allan Clark Morgan**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 105 Old Essex Road, Manchester, Massachusetts 01944, U.S.A.

Citizenship: U.S.A.

Post Office Address: 105 Old Essex Road, Manchester, Massachusetts 01944, U.S.A.

Full name of sixth inventor (given name, family name):

**Bin Chung**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 12 Deacon Drive, Nashua, New Hampshire 03063, U.S.A.

Citizenship: U.S.A.

Post Office Address: 12 Deacon Drive, Nashua, New Hampshire 03063, U.S.A.

Full name of seventh joint inventor, if any (given name, family name):

**Malcolm John Andrews**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: P.O. Box 5701, Bryan, Texas 77801

Citizenship: United Kingdom

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Inventor's signature: Frederick Harry Rumpf Date: 7-December-1999  
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Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Full name of third joint inventor, if any (given name, family name):

**Ivan Zlatko Podobnik**

Inventor's signature: Ivan Zlatko Podobnik Date: 12/7/99  
Residence: 104 Townsend Road, Mason, New Hampshire 03048, U.S.A.  
Citizenship: Canada  
Post Office Address: 104 Townsend Road, Mason, New Hampshire 03048, U.S.A.

Full name of fourth joint inventor, if any (given name, family name):

**Scott Adrian Westveer**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 15111 Harkey, Pearland, Texas 77584, U.S.A.  
Citizenship: U.S.A.  
Post Office Address: 15111 Harkey, Pearland, Texas 77584, U.S.A.

Full name of fifth joint inventor, if any (given name, family name):

**Allan Clark Morgan**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 105 Old Essex Road, Manchester, Massachusetts 01944, U.S.A.

Citizenship: U.S.A.

Post Office Address: 105 Old Essex Road, Manchester, Massachusetts 01944, U.S.A.

Full name of sixth inventor (given name, family name):

**Bin Chung**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 12 Deacon Drive, Nashua, New Hampshire 03063, U.S.A.

Citizenship: U.S.A.

Post Office Address: 12 Deacon Drive, Nashua, New Hampshire 03063, U.S.A.

Full name of seventh joint inventor, if any (given name, family name):

**Malcolm John Andrews**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: P.O. Box 5701, Bryan, Texas 77801

Citizenship: United Kingdom

Post Office Address: P.O. Box 5701, Bryan, Texas 77801

# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

RECEIVED  
FEB 07 2000  
OFFICE OF PETITIONS  
DEPUTY A/C PATENT

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## NOVEL ELASTOMER COMPOSITES, METHOD AND APPARATUS

the specification of which is attached hereto unless the following space is checked:

X was filed on March 25, 1997 as United States Application Serial Number 08/823,411 and was amended on June 8, 1998, January 28, 1999 and August 16, 1999.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

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Prior Foreign Application(s):

|    | <u>Number</u> | <u>Country</u> | <u>Day/Month/Year Filed</u> | <u>Priority Not Claimed</u> |
|----|---------------|----------------|-----------------------------|-----------------------------|
| 1. |               |                |                             | <input type="checkbox"/>    |
| 2. |               |                |                             | <input type="checkbox"/>    |

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

|    | <u>Application Number</u> | <u>Filing Date</u> |
|----|---------------------------|--------------------|
| 1. |                           |                    |
| 2. |                           |                    |

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|    | <u>Application Number</u> | <u>Filing Date</u> | <u>Status — patented, pending, abandoned</u> |
|----|---------------------------|--------------------|--|
| 1. | 08/625,163                | April 1, 1996      | Abandoned                                    |
| 2. |                           |                    |  |

I hereby appoint the following attorneys and agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

|                          |                   |                          |                   |
|--------------------------|-------------------|--------------------------|-------------------|
| Donald W. Banner         | Reg. No. 17,037   | Ernest V. Linek          | Reg. No. 29,822   |
| Sheldon W. Witcoff       | Reg. No. 17,399   | Dale A. Malone           | Reg. No. 32,155   |
| Robert F. Altherr        | Reg. No. 31,810   | Peter D. McDermott       | Reg. No. 29,411   |
| Mark T. Banner           | Reg. No. 29,888   | Christopher L. McKee     | Reg. No. 32,384   |
| Pamela I. Banner         | Reg. No. 33,644   | Edward F. McKie, Jr.     | Reg. No. 17,335   |
| William W. Beckett       | Reg. No. 18,262   | Nina L. Medlock          | Reg. No. 29,673   |
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| James V. Callahan        | Reg. No. 20,095   | Frederic M. Meeker       | Reg. No. 35,282   |
| Alan I. Cantor           | Reg. No. 28,163   | Janice V. Mitrius        | Reg. No. P-43,808 |
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| W. Dennis Drehkoff       | Reg. No. 27,193   | Thomas L. Peterson       | Reg. No. 30,969   |
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| William J. Fisher        | Reg. No. 32,133   | Christopher J. Renk      | Reg. No. 33,761   |
| Christopher R. Glembocki | Reg. No. 38,800   | Robert H. Resis          | Reg. No. 31,168   |
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| Sarah A. Kagan           | Reg. No. 32,141   | Kathleen Madden Williams | Reg. No. 34,380   |
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| William J. Klein         | Reg. No. P-43,719 | Susan A. Wolffe          | Reg. No. 33,568   |
| Joseph P. Krause         | Reg. No. 32,578   | Bradley C. Wright        | Reg. No. 38,061   |
|                          |                   | Michelle B. Lando        | Reg. No. 33,941   |
|                          |                   | Martha A. Finnegan       | Reg. No. 31,453   |

as my Attorneys.

Address all telephone calls to Peter D. McDermott at (617) 227-7111.

Address all correspondence to BANNER & WITCOFF, LTD., 28 State Street, 28th Floor, Boston, MA 02109-1775

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor, if any (given name, family name):

**Melinda Ann Mabry**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 2001 Chestnut Hill, Cleveland Heights, Ohio 44106, U.S.A.  
Citizenship: USA  
Post Office Address: 2001 Chestnut Hill, Cleveland Heights, Ohio 44106, U.S.A.

Full name of second joint inventor, if any (given name, family name):

**Frederick Harry Rumpf**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Five Copley Place, Billerica, Massachusetts 01821, U.S.A.  
Citizenship: USA  
Post Office Address: Five Copley Place, Billerica, Massachusetts 01821, U.S.A.

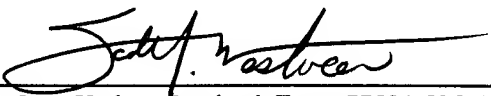
Full name of third joint inventor, if any (given name, family name):

**Ivan Zlatko Podobnik**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 104 Townsend Road, Mason, New Hampshire 03048, U.S.A.  
Citizenship: Canada  
Post Office Address: 104 Townsend Road, Mason, New Hampshire 03048, U.S.A.

Full name of fourth joint inventor, if any (given name, family name):

**Scott Adrian Westveer**

Inventor's signature:  Date: 12/8/99  
Residence: 15111 Harkey, Pearland, Texas 77584, U.S.A.  
Citizenship: U.S.A.  
Post Office Address: 15111 Harkey, Pearland, Texas 77584, U.S.A.

Full name of fifth joint inventor, if any (given name, family name):

**Allan Clark Morgan**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 105 Old Essex Road, Manchester, Massachusetts 01944, U.S.A.

Citizenship: U.S.A.

Post Office Address: 105 Old Essex Road, Manchester, Massachusetts 01944, U.S.A.

Full name of sixth inventor (given name, family name):

**Bin Chung**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 12 Deacon Drive, Nashua, New Hampshire 03063, U.S.A.

Citizenship: U.S.A.

Post Office Address: 12 Deacon Drive, Nashua, New Hampshire 03063, U.S.A.

Full name of seventh joint inventor, if any (given name, family name):

**Malcolm John Andrews**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: P.O. Box 5701, Bryan, Texas 77801

Citizenship: United Kingdom

Post Office Address: P.O. Box 5701, Bryan, Texas 77801



# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

RECEIVED  
FEB 07 2000  
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DEPUTY AC PATENT

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| 1. |               |                |                             | <input type="checkbox"/>    |
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|----|---------------------------|--------------------|--|
| 1. | 08/625,163                | April 1, 1996      | Abandoned                                    |
| 2. |                           |                    |  |

I hereby appoint the following attorneys and agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

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|--------------------------|-------------------|--------------------------|-------------------|
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as my Attorneys.

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Full name of fourth joint inventor, if any (given name, family name):

**Scott Adrian Westveer**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Citizenship: U.S.A.  
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Full name of fifth joint inventor, if any (given name, family name):

**Allan Clark Morgan**

Inventor's signature: Allan Clark Morgan Date: Dec 7 1999  
Residence: 105 Old Essex Road, Manchester, Massachusetts 01944, U.S.A.  
Citizenship: U.S.A.  
Post Office Address: 105 Old Essex Road, Manchester, Massachusetts 01944, U.S.A.

Full name of sixth inventor (given name, family name):

**Bin Chung**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 12 Deacon Drive, Nashua, New Hampshire 03063, U.S.A.  
Citizenship: U.S.A.  
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Full name of seventh joint inventor, if any (given name, family name):

**Malcolm John Andrews**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Citizenship: United Kingdom  
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| Dale H. Hoscheit         | Reg. No. 19,090   | Charles W. Shifley       | Reg. No. 28,042   |
| John P. Iwanicki         | Reg. No. 34,628   | Joseph M. Skerpon        | Reg. No. 29,864   |
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| Sarah A. Kagan           | Reg. No. 32,141   | Kathleen Madden Williams | Reg. No. 34,380   |
| Robert S. Katz           | Reg. No. 36,402   | Franklin D. Wolffe       | Reg. No. 19,724   |
| William J. Klein         | Reg. No. P-43,719 | Susan A. Wolffe          | Reg. No. 33,568   |
| Joseph P. Krause         | Reg. No. 32,578   | Bradley C. Wright        | Reg. No. 38,061   |
|                          |                   | Michelle B. Lando        | Reg. No. 33,941   |
|                          |                   | Martha A. Finnegan       | Reg. No. 31,453   |

as my Attorneys.

Address all telephone calls to Peter D. McDermott at (617) 227-7111.

Address all correspondence to BANNER & WITCOFF, LTD., 28 State Street, 28th Floor, Boston, MA 02109-1775

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor, if any (given name, family name):

**Melinda Ann Mabry**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Citizenship: USA  
Post Office Address: 2001 Chestnut Hill, Cleveland Heights, Ohio 44106, U.S.A.

Full name of second joint inventor, if any (given name, family name):

**Frederick Harry Rumpf**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Five Copley Place, Billerica, Massachusetts 01821, U.S.A.  
Citizenship: USA  
Post Office Address: Five Copley Place, Billerica, Massachusetts 01821, U.S.A.

Full name of third joint inventor, if any (given name, family name):

**Ivan Zlatko Podobnik**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 104 Townsend Road, Mason, New Hampshire 03048, U.S.A.  
Citizenship: Canada  
Post Office Address: 104 Townsend Road, Mason, New Hampshire 03048, U.S.A.

Full name of fourth joint inventor, if any (given name, family name):

**Scott Adrian Westveer**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 15111 Harkey, Pearland, Texas 77584, U.S.A.  
Citizenship: U.S.A.  
Post Office Address: 15111 Harkey, Pearland, Texas 77584, U.S.A.

Full name of fifth joint inventor, if any (given name, family name):

**Allan Clark Morgan**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Citizenship: U.S.A.  
Post Office Address: 105 Old Essex Road, Manchester, Massachusetts 01944, U.S.A.

Full name of sixth inventor (given name, family name):

**Bin Chung**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 12 Deacon Drive, Nashua, New Hampshire 03063, U.S.A.  
Citizenship: U.S.A.  
Post Office Address: 12 Deacon Drive, Nashua, New Hampshire 03063, U.S.A.

Full name of seventh joint inventor, if any (given name, family name):

**Malcolm John Andrews**

Inventor's signature: M. J. Andrews Date: 12/11/99  
Residence: P.O. Box 5701, Bryan, Texas 77801  
Citizenship: United Kingdom  
Post Office Address: P.O. Box 5701, Bryan, Texas 77801



# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

RECEIVED  
FEB 07 2000  
OFFICE OF THE COMMISSIONER  
DEPUTY A/C PATENTS

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## NOVEL ELASTOMER COMPOSITES, METHOD AND APPARATUS

the specification of which is attached hereto unless the following space is checked:

X was filed on March 25, 1997 as United States Application Serial Number 08/823,411 and was amended on June 8, 1998, January 28, 1999 and August 16, 1999.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

|    | <u>Number</u> | <u>Country</u> | <u>Day/Month/Year Filed</u> | <u>Priority Not Claimed</u> |
|----|---------------|----------------|-----------------------------|-----------------------------|
| 1. |               |                |                             | <input type="checkbox"/>    |
| 2. |               |                |                             | <input type="checkbox"/>    |

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

|    | <u>Application Number</u> | <u>Filing Date</u> |
|----|---------------------------|--------------------|
| 1. |                           |                    |
| 2. |                           |                    |

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

|    | <u>Application Number</u> | <u>Filing Date</u> | <u>Status — patented, pending, abandoned</u> |
|----|---------------------------|--------------------|--|
| 1. | 08/625,163                | April 1, 1996      | Abandoned                                    |
| 2. |                           |                    |  |

I hereby appoint the following attorneys and agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

|                          |                   |                          |                   |
|--------------------------|-------------------|--------------------------|-------------------|
| Donald W. Banner         | Reg. No. 17,037   | Ernest V. Linek          | Reg. No. 29,822   |
| Sheldon W. Witcoff       | Reg. No. 17,399   | Dale A. Malone           | Reg. No. 32,155   |
| Robert F. Altherr        | Reg. No. 31,810   | Peter D. McDermott       | Reg. No. 29,411   |
| Mark T. Banner           | Reg. No. 29,888   | Christopher L. McKee     | Reg. No. 32,384   |
| Pamela I. Banner         | Reg. No. 33,644   | Edward F. McKie, Jr.     | Reg. No. 17,335   |
| William W. Beckett       | Reg. No. 18,262   | Nina L. Medlock          | Reg. No. 29,673   |
| Scott A. Burow           | Reg. No. 42,373   | Timothy C. Meece         | Reg. No. 38,553   |
| James V. Callahan        | Reg. No. 20,095   | Frederic M. Meeker       | Reg. No. 35,282   |
| Alan I. Cantor           | Reg. No. 28,163   | Janice V. Mitrius        | Reg. No. P-43,808 |
| Steve S. Chang           | Reg. No. 42,402   | Chris P. Moreno          | Reg. No. 38,566   |
| Monica H. Choi           | Reg. No. 41,671   | Jon O. Nelson            | Reg. No. 24,566   |
| Gregory J. Cohan         | Reg. No. 40,959   | James A. Niegowski       | Reg. No. 28,331   |
| Marc S. Cooperman        | Reg. No. 34,143   | Ajay S. Pathak           | Reg. No. 38,266   |
| John R. Dawson           | Reg. No. 39,504   | Binal J. Patel           | Reg. No. 42,065   |
| Laura J. Demoor          | Reg. No. 39,654   | Steven S. Payne          | Reg. No. 35,316   |
| W. Dennis Drehkoff       | Reg. No. 27,193   | Thomas L. Peterson       | Reg. No. 30,969   |
| Gary D. Fedorochko       | Reg. No. 35,509   | Joseph M. Potenza        | Reg. No. 28,175   |
| Daniel E. Fisher         | Reg. No. 34,162   | Thomas K. Pratt          | Reg. No. 37,210   |
| William J. Fisher        | Reg. No. 32,133   | Christopher J. Renk      | Reg. No. 33,761   |
| Christopher R. Glembocki | Reg. No. 38,800   | Robert H. Resis          | Reg. No. 31,168   |
| Brian E. Hanlon          | Reg. No. 40,449   | Paul M. Rivard           | Reg. No. P-43,446 |
| Robert Hart              | Reg. No. 34,184   | John F. Rollins          | Reg. No. 38,013   |
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**Bin Chung**

Inventor's signature: Bin Chung Date: 12/6/99  
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